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- 24. (New) The thermoplastic multi-layer film of claim 23, further comprising:
- a first skin layer which comprises a second polylactic acid having a second D-lactic acid level of at least about 8 mole %, said first skin layer is on a first side of said core layer.
- 25. (New) The thermoplastic multi-layer film of claim 24, wherein said toughening agent includes poly(epsilon-caprolactone).
- 26. (New) The thermoplastic multi-layer film of claim 25, wherein said poly(epsilon-caprolactone) comprises from about 1 wt.% to about 10 wt.% of said core layer.
- 27. (New) The thermoplastic multi-layer film of claim 24, wherein said first skin layer includes an anti-blocking agent.
- 28. (New) The thermoplastic multi-layer film of claim 23, wherein said core layer includes void-initiating particles.
- 29. (New) The thermoplastic multi-layer film of claim 28, wherein said void-initiating particles are selected from the group consisting of solid glass spheres, hollow glass spheres, metal beads, metal spheres, ceramic spheres, calcium carbonate, and mixtures thereof.
- 30. (New) The thermoplastic multi-layer film of claim 24, wherein said film has a thickness from about 0.5 mil to about 5 mils.
- 31. (New) The thermoplastic multi-layer film of claim 30, wherein said film has a thickness from about 1 mil to about 3 mils.
- 32. (New) The thermoplastic multi-layer film of claim 24, wherein said film is biaxially oriented.





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(New) A thermoplastic multi-layer film, comprising: 33.

- a core layer which comprises about 60 wt.% to about 95 wt.% of a first polylactic acid having a first D-lactic acid level from about 1 mole % to about 8 mole %, and about 5 wt.% to about 40 wt.% of a toughening additive; and
- a first skin layer which comprises a second polylactic acid having a second D-lactic b) acid level of at least about 8 mole %, said first skin layer is on a first side of said core layer.
- (New) The thermoplastic multi-layer film of claim 33, further comprising: 34.

a second skin layer which comprises a third polylactic acid having a third D-lactic acid. level of at least about 8 mole %, said second skin layer is on a second side of said core layer and opposite said first skin layer.

(New) The thermoplastic multi-layer film of claim 34, wherein said toughening additive 35. is selected from the group consisting of poly(epsilon-caprolactone), metallocene plastomers, styrene-ethylene-butene-styrene (SEBS) block copolymers, polyethylene succinate, polybutylene succinate/adipate, polybutylene succinate/carbonate, polyurethane, and mixtures thereof;

(New) A thermoplastic sleeve label adapted to be applied to a container comprising: 36.

- a core layer which comprises about 60 wt.% to about 95 wt.% of first polylactic acid having a first D-lactic acid level from about 1 mole % to about 8 mole %, and about 5 wt.% to about 40 wt.% of a toughening additive;
- a first skin layer which comprises a second polylactic acid having a second D-lactic **b**) acid level of at least about 8 mole %, said first skin layer is on a first side of said core layer; and
- a second skin layer comprising a third polylactic acid having a third D-lactic acid level of at least about 8 mole %, said second skin layer is on a second side of said core layer and opposite said first skin layer.



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- (New) The thermoplastic sleeve label of claim 36, wherein said sleeve label is a lap-seal that is formed by a sealing method selected from the group consisting of solvent, adhesive, ultrasonic energy, and heat.
- 38. (New) A container having a thermoplastic sleeve label, comprising:
 - a) a container surface having an adhesive adjacent to said surface;
 - b) a label which comprises:
 - i) a core layer which comprises about 60 wt.% to about 95 wt.% of first polylactic acid having a first D-lactic acid level from about 1 mole % to about 8 mole %, and about 5 wt.% to about 40 wt.% of a toughening additive; and
 - ii) a first skin layer which comprises a second polylactic acid having a second D-lactic acid level of at least about 8 mole %, said first skin layer is on a first side of said core layer.
- 39. (New) The container of claim 38, wherein said label further comprises a second skin layer which comprises a third polylactic acid having a third D-lactic acid level of at least about 8 mole %, said second skin layer is on a second side of said core layer and opposite said first skin layer.

